CAPITAL DISTRICT TIMEX/SINCLAIR COMPUTER CLUB

ALBANY, NEW YORK **APRIL 1990**

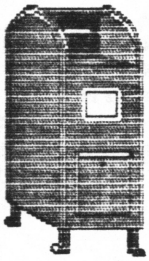
⇨ NEXT MEETING ⇦

THUR.	MON.	TUE.
15 MAR. 1990	16 APRIL 1990	15 MAY 1990

CLUB PRES.
FRED LEWIS
(518)399-5038

TREASURER
RON BARNARD
(518)869 5918

NEWS LETTER
(518)465-7939



MAIL ANY INFORMATION YOU WANT TO BE INCLUDED IN THE NEWS LETTER TO:

JACK BARONE
141 ONTARIO ST.
ALBANY, N.Y.
12206

ANY TYPE INFORMATION, PROGRAMS, HINTS, TECHNICAL INFORMATION OR ANYTHING OF INTEREST THAT YOU WANT TO SEND IN SHOULD BE TYPED. IF YOU SEND IN FREE HAND DRAWINGS I WILL TRY TO REPRODUCE THEM FOR THE NEWS LETTER. ANY COMMENTS ON IMPROVING THE LETTER WILL BE APPRECIATED.

THE INFORMATION IN THIS NEWSLETTER MAY BE REPRODUCED UNLESS OTHERWISE NOTED. FEEL FREE TO WRITE TO US FOR MORE INFORMATION

OUR CLUB MEETINGS ARE HELD AT THE CAPITAL DISTRICT PSYCHIATRIC CENTER ROOM 37. THE CENTER IS AT 75 NEW SCOTLAND AVENUE NEXT DOOR TO THE ALBANY MEDICAL CENTER. ALL USERS OF ANY TIMEX/SINCLAIR COMPUTER EQUIPMENT ARE WELCOME.

OUR NEWSLETTER IS PRINTED ONCE A MONTH AND MAILED TO OUR MEMBERS AND CLUBS. DUES ARE $6.00 A YEAR. CONTACT FRED LEWIS OR JACK BARONE FOR MORE INFORMATION.

CLUB NEWS

The March meeting was canceled because of prior commitments by some of the members. I received a letter from Peter Hyman and it is attached to the newsletter. Peter receive the Larkin interface for his T/S 2068 and will bring it to the meeting. Peter also sent me a program which is attached also. I received a letter from a Timex User (Mark Yost) which I have included. A list of programs he has available is also attached. I do not know Mark Yost so be a little careful if you intend to order any of the programs he has. I sent the disk I received from Bob Swogger of the Chicago club to Peter Hyman so he can compare it to the Larkin system software he received. I have not received any more news of the rotating globe demo.
More of the other clubs newsletter index is include this month. We have received a new newsletter from the Cragist Users Group of Cedar Rapids, Iowa. This brings the total clubs we now swap newsletters with to 11.

NOTICE: PLEASE PAY DUES

Just an other reminder that it is dues time again. Please pay Fred Lewis at the next meeting or mail them in to Fred.
The dues are $6.00 a year.

FACTS ABOUT APRIL

6 APRIL 1909
PERRY DISCOVERED NORTH POLE
14 APRIL 1865
LINCOLN ASSASSINATED
27 APRIL 1822
U.S. GRANT BORN
28 APRIL 1758
JAMES MONROE BORN
29 APRIL 1945
GERMANY SURRENDERS WW2

I BET YOU COULD NOT SLEEP UNTILL YOU READ APRILS FACTS

MC68000 CPU MACHINE CODE (CONT.)

Logical operations:

Instructions AND, OR EOR and NOT can be used with all size operands(8, 16 or 32 . ANDI, ORI, and EORI are used with immediate data.

INSTR.	SIZE	OPERARTION
AND	ALL	Dn Ä (EA) → Dn
		(EA) Ä Dn → (EA)
		(EA) Ä #xxx → (EA)
OR	ALL	Dn V (EA) → Dn
		(EA) V Dn → (EA)
		(EA) V #xxx → (EA)
EOR	ALL	(EA) * Dy → (EA)
		(EA) * #xxx → (EA)
NOT	ALL	~ (EA) → EA

NOTES:

= IMMEDIATE DATA
~ = INVERT
Ä = LOGICAL AND
V = LOGICAL OR
* = LOGICAL EXCLUSIVE OR

SEE
YOU
ALL
AT
THE
NEXT
MEETING

NEWSLETTER INDEX MARCH 1989 TO MARCH 1989

HACKER(LAS VEGAS)
1. PROGRAM
   A. SLOT MACHINE

NITE TIMES NEWS (CHICAGO)
1. T/S2068 PROGRAMING TIPS
2. T/S2068 MEMORY EXSPANSION
   A. BANK SWITCHING DIAGRAM

APRIL 1989

HACKER (LAS VEGAS)
1. GOSSIP

RAMTOP (MAR. - APR.)
1. PROGRAM REVEIW (QL)
   A. MAILBAG
2. VOICE MOD. FOR QL
3. PROGRAM (T/S1000)
   A. MENU PROGRAM
4. PROGRAM TIPS FOR T/S2068

MAY 1989

HACKER
1. PROGRAM (T/S2068)
   A. POKER GAME

SMUG BYTES (MILWAUKEE)
1. PRINT PROGRAM FROM QUILL(QL)
2. TIPS USING SPELLBOUND (QL)

NITE TIMES NEWS
1. QL NETWORKING
2. T/S1000, T/S2068 NOTES
3. CHICAGO CLUB TELECOM

SINCUS NEWS (JOHNSON CITY, N.Y.)
1. REVEIW "MAXCOM"
2. A T/S2068 BUG
3. ROM DIRECTORY FOR T/S2068 OR SPECTRUM ON OLIGER DISK

JUNE 1989

HACKER
1. PROGRAM REVEIWS (T/S2068)
   A. YACHT
   B. TAROT

JULY 1989

HACKER
1. PROGRAM (T/S2068)
   A. INFLATION RATE
2. ARTICLE-DISK DRIVE FOR Z88

SMUG
1. MULTI COPIES IN QUILL(QL)
2. HOOK UP FOR RGB MONITOR(QL)
3. NOTES ON QL TURBO COMPLIER
4. PROGRAM
   A. M/TERM PATCH FOR AERCO I/F & PRINTER
   B. T/2068 UTILITIES
5. ARTICLE - PRINTERS AND QUILL

VISTA
1. T/S1000 PRINTER TIPS
2. ZX 16K RAM PACK SCHEMATIC

JULY 1989 (CONT.)

HARRISBURG
1. REVEIW (QL)
   A. QL-Z88 FILE TRANSFERR PROGRAM
2. PROGRAM (T/S2068)
   A. MUSIC & DEMO PROGRAM

NITE TIMES NEWS
1. ARTICLE COMPUTER GRAFICS
2. BBS NOTES
3. RETRIVING LOST_DOCS (QL)
4. PROGRAM
   A. PREDICT MUF FOR RADIO
5. T/S2040 PRINTER SCHEMATIC

AUGUST 1989

MONITOR MODIFACATION FOR T/S1000

SMUG
1. PROGRAM (T/S2068)
   A. LOTTO NO. PICKER
2. LARKIN I/F NOTE

HACKER
1. BBS NOTES
2. PROGRAM (T/S2068)
   A. ABBAHI(POKER DICE)

HARRISBURG
1. Z88 NOTES

SEPTEMBER 1989

NITE TIMES NEWS
1. ARTICLE & PROGRAM
   A. DROP DOWN MENUS (QL)
   B. CUSTOM DISK/TAPE DIRECTORY FOR LARKIN DISK SYSTEM

VISTA
1. ARTICLE CLEANING CASSETTE MACHINES
2. PROGRAM (T/S2068)
   A. CASSETTE LABEL PROGRAM

HACKER

1. BBS NOTES
2. PROGRAM REVEIWS
   A. SOUND SIGN
   B. SCREEN DESIGN
   C. MUSIC DESIGN

SMUG
1. CORRECTION TO AUGUST LOTTO PROGRAM
2. LIST OF SINCLAIR VENDORS

THERE ARE OTHER NEWSLETTERS NOT MENTIONED HERE WHICH CONTAIN, GOSSIP AND OTHER INFORMATION. I BRING THE LATEST ISSUES TO THE CLUB MEETINGS EACH MONTH. IF YOU WANT ANY OF THE ABOVE INFORMATION DROP ME A LINE.

JACK BARONE

March 17, 1990

Dear Jack,

I've just received the Larken LK-DOS system package from Larken Electronics in Canada. It allows using the LK-DOS with the AERCO Disk Controller card. A few modifications were necessary, but it was well worth the effort.

I've created for myself, a real Chameleon of a Computer. With this new DOS, I can operate my Timex, in LK-DOS, regular Timex mode, Spectrum mode, OS-64 mode (the cartridge from Zebra Systems Inc.). Then, at the flip of a switch, in AERCO DOS, regular Timex mode, and CP/M (RP/M) mode. I'll demonstrate this at the next meeting.

One of the advantages of being able to use the Spectrum mode with disks is Beta Basic. This is a tape I bought from one of the distributors of Timex products about three years ago. It gives the Sinclair phenomenally super features. Such as, Structured Procedures. Easier Line Editing, Advanced Character Sets, and, much more. When I purchased this tape, I did so with the thought of using it on disk. But, was always frustrated because it would not work with the AERCO DOS. I will show off a program, or two, that will show just some of it's features.

I will be bringing the OS-64 EPROM, also, to show what one can do with that.

One of the programs that I've written, included with this letter, is for regular Timex mode with the LK-DOS. It is a Label Maker. It was written entirely in BASIC. But, it needs an Epson Compatible printer for its print routine. I've also included some TS2040 printouts from the Spectrum mode. You may use any of this in the next Newsletter. Likewise, you may use any portion of this letter.

I'm bringing this to your attention, so that others can bring their computers. So, that they won't have to type in the program(s). I didn't know which type of program listing you preferred, so, I've included both. If the other members bring in their computers, or just their disks, I'll demonstrate the Label Maker. And, they can have copies for themselves.

In the meantime, I'm very interested in the following Newsletters, that you so graciously have provided. What a job that must have been to catalog those newsletters! Good going! They are:

VISTA Aug., Oct., Nov., 1988
HACKER Oct., 1988
NIIE TIMES NEWS Nov., Dec, 1988, and. Jan., 1989.

Is there any chance you could send those to me before the next meeting? I don't plan on being in Albany for quite some time. I'd appreciate it.

PETERS LETTER

```
   2 REM
   3 REM ------- LABel maker -----------
   4 REM
   5 BORDER 1: PAPER 1: INK 7: CLS
  10 GO TO 7000
 400 LET a$="": LET b$=""
 405 POKE 23692,255
 410 PRINT #4: CAT "",
 420 POKE 23692,23
 430 LET s=(25-PEEK 23689)
 440 LET l=s-3
 450 FOR i=0 TO 15
 460 LET a$=a$+(SCREEN$ (l,i))
 470 NEXT i
 480 LET d$=a$
 490 FOR i=0 TO 15
 500 LET b$=b$+(SCREEN$ ((l+1),i))
 510 NEXT i
 520 LET e$=b$
1000 DIM f$(24,10): DIM g$(24,10): DIM h$(100,10)
1002 LET a$="": LET b$=""
1005 CLS
1010 RANDOMIZE USR 23300: CAT "",
1012 LET s=(25-PEEK 23689)
1014 PRINT : PRINT "Getting Data, please wait."
1015 FOR j=0 TO s
1020 FOR i=1 TO 10
1030 LET a$=a$+(SCREEN$ (j,i))
1032 LET b$=b$+(SCREEN$ (j,(i+16)))
1040 NEXT i
1045 LET f$((j+1))=a$( TO ): LET a$=""
1046 LET g$((j+1))=b$( TO ): LET b$=""
1047 NEXT j
1095 CLS
1096 PRINT : PRINT : PRINT : PRINT "NOW SORTING THE DIRECTORY":
PRINT "..... PLEASE WAIT"
1099 LET z=1
1100 FOR j=1 TO s
1110 LET h$(z)=f$(j, TO 10): LET z=z+1
1120 NEXT j
1200 FOR j=1 TO s
1210 LET h$(z)=g$(j, TO 10): LET z=z+1
1220 NEXT j
1231 LET z=z-1
1232 LET n=z
2000 DIM s$(1,10): DIM t$(1,10)
2010 LET p=n-1
2020 FOR l=1 TO p
2030 LET s$(1)=h$(l)
2040 LET s1=l
2050 FOR j=l+1 TO n
2060 IF s$(1)<=h$(j, TO ) THEN  GO TO 2090
2070 LET s$(1)=h$(j, TO )
2080 LET s1=j
2090 NEXT j
2100 LET t$(1)=h$(s1, TO )
2110 LET h$(s1)=h$(l, TO )
2120 LET h$(l)=t$(1)
2125 PRINT ".";
```

BY PETER HYMAN

```
2130 NEXT l
2140 PRINT "  DONE, Thank you."
3000 POKE 23658,8
3005 CLS : LET n$="": LET l$=""
3010 INPUT "Enter a label name (50 chars)  ";n$
3020 POKE 23658,0
3030 LET l$="... "+n$+" ..."
5000 PRINT #4: POKE 16093,32
5005 PRINT #4: OPEN #3,"lp"
5010 LPRINT CHR$ 27;CHR$ 126;CHR$ 1: REM Slash zero
5020 LPRINT CHR$ 27;CHR$ 71: REM Bold print
5030 LPRINT CHR$ 27;CHR$ 15: REM Condensed print
5040 LPRINT CHR$ 27;CHR$ 51;CHR$ 28: REM 28/216 Line spacing
5050 PRINT #4: CLOSE #3
5055 PRINT #4: POKE 16093,0
5990 PRINT #4: OPEN #3,"lp"
6000 LPRINT : LPRINT : LPRINT
6004 LPRINT l$
6005 FOR k=1 TO n STEP 4
6010 LPRINT h$(k);"   ";h$(k+1);"   ";h$(k+2);"   ";h$(k+3);"
";h$(k+4)
6020 NEXT k
6025 LPRINT "     ";d$;"     ";e$
6090 PRINT #4: CLOSE #3
6095 PRINT #4: POKE 16093,32: PRINT #4: OPEN #3,"lp"
6096 LPRINT CHR$ 27;CHR$ 64: REM Reset Printer
6097 PRINT #4: CLOSE #3: PRINT #4: POKE 16093,0
6100 PRINT : PRINT
6110 PRINT "Done, Thank you.": PRINT
6120 PRINT "Change disks and print another": PRINT "label?  Y/N"
: PRINT
6125 PRINT "If Yes, then replace the disk": PRINT "before pressi
ng Y"
6130 GO TO 7050
7000 REM
7010 PRINT "This program will make"
7020 PRINT " Directory Label(s) for a STAR"
7030 PRINT "NP-10 printer "
7040 PRINT : PRINT : PRINT "Is this what you want to do Y/N?"
7050 LET o$=INKEY$: IF o$="" THEN  GO TO 7050
7060 IF o$="y" OR o$="Y" THEN  RUN 400
7070 IF o$="n" OR o$="N" THEN  STOP
7080 GO TO 5
9000 REM  PRINT #4: SAVE "lab.B1" LINE 5
```